ELECTION AND POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

| Application Number | |
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| International Filing Date | January 27, 2005 |
| First Named Inventor | Masato MIYAKE |
| Title | COMPOSITION AND METHOD FOR ELEVATING GENE TRANSFER EFFICIENCE |
| Art Unit. | |
| Examiner Name | |
| Attorney Docket Number | |

| I hereby ap | point: | | | | | | | | | |
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| Practit | ioner(s) n | amed below: | | | | | | | | |
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| as my/our at | tomey(s) | or agent(s) to pr | osecule the appli s in the United St | cation ider atès Pater | ntified | above (and an | y contin | uation/divisio | _J nal ap vith | plications |
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| I am the: | | | | | | | | | | |
| 1 | t/inventor | | | | | | | | | |
| Assignee Stateme | of record of nt under 3 | f an interest. Se 7 CFR 3.73(b) is | e 37 CFR 3.71. enclosed. (Form P | TO/SB/96). | | | | . , , | | |
| As assignee of record of an interest l/we hereby elect, under 37 CFR 3.71, to prosecute the application to the exclusion of the inventor(s). | | | | | | | | | | |
| SIGNATURE of Applicant or Assignee of Record | | | | | | | | | | |
| Signature | | Muèc | - clus | ب | | | Date | Septemb | en | 7, 2607 |
| Name | | Shigeru | lino | | ٤. | 7. | | 1 | | |
| Title and | Title and Diperton Intellectual Property Dometment | | | | | | | | | |
| (Assignee) | Company | | | | | | | | | |
| NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*. | | | | | | | | | | |
| T *T-4-1-6 | faces | a are automitta | 4 | | | | nefit by th | e public which is | to file (| ind by the USPTO to |
| This collection of infoi process) an applicable gethering, preparing, you require to compli- Department of Commit Patents, P.O. Box 14 | ele this lonn | and/or suggestions | it and 1.33. The infoming 35 U.S.C. 122 and slication form to the US for reducing this burd/A 22313-1450. DO No. #595388_1 DOC | 37 CFR 1.11 PTO. Time v len should b OT SEND FE | med (o I and 1 will vary se sent ES OR | in 14. This collection if 14. This collection depending upon the to the Chief Information COMPLETED FOR | is estima e Individua nation Offic MS TO TH | iled to lake 3 m il case Any com cer, U.S. Patent IS ADDRESS S | ments of and Tra | o complete, including in the amount of lime idemark Office, U.S. Commissioner for |

I hereby revoke all previous powers of attorney given in the above-identified application.

PTO/SB/96 (09-04)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)
Massato MIYAKE. Trombitz v OSSHIRAWA,
Eiichiro UCHIMURA and Jun MIYAKE

| Applicant/Patent Owner: Elichiro Uchimura and Jun MIYAKE |
|---|
| Application No /Patent No.: International Filing Date: January 27, 2005 |
| Entitled: COMPOSITION AND METHOD FOR ELEVATING |
| GENE TRANSFER EFFICIENCY |
| |
| NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY 8 corporation |
| (Nanie of Assignee) (Type of Assignee, e.g., corporation, partnership, university government agency etc) |
| states that it is: |
| 1. [] the assignee of the entire right, title, and interest; or |
| 2 an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is 95 % |
| in the patent application/patent identified above by virtue of either: |
| A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached OR |
| B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below: |
| 1 From: To: |
| The document was recorded in the United States Patent and Trademark Office at Reel, or for which a copy thereof is attached. |
| 2. From: To: |
| The document was recorded in the United States Patent and Trademark Office at Reel, or for which a copy thereof is attached. |
| 3. From: To: |
| The document was recorded in the United States Patent and Trademark Office at Reel, or for which a copy thereof is attached |
| Additional documents in the chain of title are listed on a supplemental sheet. |
| Copies of assignments or other documents in the chain of title noted in B above are attached |
| (NOTE: A separate copy (i.e., a flue copy of the original assignment document(s)) must be submitted to Assignment bivision in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO See MPEP 302 08] |
| he undersigned (whose title is supplied below) is authorized to act on behalf of the assignee. |
| September 7, 2007 |
| Shigery Lino Director, Intellectual Property Department |

The collection of Information is required by 37 CFR 3.73(a). The Hormstein is required to obtain or retain a beneal by the public which its off is (and by the SCFT) to process) an application. Conditionably is generated by 30 S.C. 12 and 37 CFR 1.4. Mice collection is entirely to the SCFT of t

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ASSIGNMENT

WHEREAS, we, Masato MIYAKE, Tomohiro YOSHIKAWA, Eiichiro UCHIMURA and Jun MIYAKE (hereinafter referred to as ASSIGNORS), having mailing addresses of c/o AIST Kansai, Amagasaki Site, 11-46, Nakoji 3-chome, Amagasaki-shi, Hyogo 661-0974 Japan, c/o AIST Kansai, Amagasaki Site, 11-46, Nakoji 3-chome, Amagasaki-shi, Hyogo 661-0974 Japan, c/o AIST Kansai, Amagasaki Site, 11-46, Nakoji 3-chome, Amagasaki-shi, Hyogo 661-0974 Japan and c/o AIST Kansai, Amagasaki Site, 11-46, Nakoji 3-chome, Amagasaki-shi, Hyogo 661-0974 Japan are spectively, are the joint inventors of an invention entitled "COMPOSITION AND METHOD FOR ELEVATING GENE TRANSFER EFFICIENCY" as described and claimed in the specification for which an application for United States letters patent was filed and assigned Application No.

This application is a national stage application filed under 35 U.S.C. 371 of International Application No.PCT/JP2005/001148, accorded an International Filing Date of January 27, 2005;

WHEREAS, NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY and CYTOPATHFINDER, INC. (hereinafter referred to as ASSIGNEE), having a usual place of business at 1-3-1, Kasumigaseki, Chiyoda-ku, Tokyo 100-8921 Japan and 14-8, Hatanodai 6-chome, Shinagawa-ku, Tokyo 142-0064 Japan are desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and, in any and all divisions, reissues and continuations thereof, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

International Application No. PCT/JP2005/001148 U.S. Application No.:

| 1. | Assignor: Masato MIYAKE |
|--------------------------------------|---|
| Date: August 28, 2006 | Signature: 227 |
| Date August 28, 2006 (Type or Print) | (Signature of Witness) |
| | (Signature of Witness) Masato Miyake Tomchiro |
| | (Type or Print Name of Witness) |
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| 2. | Assignor: Tomohiro YOSHIKAWA |
| Date: August 28, 2006 | Signature: MW Mb 1 MW |
| Date August 28, 2006 (Type or Print) | (Signature of Witness) |
| | Masato Miyake |
| | (Type or Print Name of Witness) |

International Application No. PCT/JP2005/001148 U.S. Application No.:

Assignor: Eiichiro UCHIMURA

Date: August 28, 2006

Date August 28, 2006

(Type or Print)

Assignor: Eiichiro UCHIMURA

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Signature: Witness)

Ma Sato Miyake

(Type or Print Name of Witness)

Date 7th September, 2006

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(Signature of Witness)

Ma Sato Miyake

(Type or Print Name of Witness)

| ELECTION AND POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM | Application Number International Filing Date First Named Inventor Title | January 27, 2005 Masato MIYAKE COMPOSITION AND METHOD FOR ELEVATING GENE TRANSFER EFFICIEN |
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| | Art Unit Examiner Name Attorney Docket Number | |
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| I hereby rev | oke all | previous powers of attorney giver | in the above-ide | ntified application | l. |
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| Practition | oner(s) n | amed below: | | | |
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| as my/our att therefrom) a | omey(s) nd to tran | or agent(s) to prosecute the application ide isact all business in the United States Pate | enlified above (and ar enl and Trademark Of | ny continuation/division fice connected therev | nal applications vitn |
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| The above- | mentione | ed Customer Number | | | |
| OR | | | | | |
| The addres | s associa | ated with Customer Number: | | | |
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| Telephone | | Er | mail | | |
| I am the: | | | | | |
| Applicant/Inventor. | | | | | |
| Assignee of record of an interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). | | | | | |
| As assi | | ecord of an interest l/we hereby elect, under 3 | 7 CFR 3.71, to prosec | ute the application to the | e exclusion of the |
| | | SIGNATURE of Applicant | or Assignee of Rec | ord | |
| Signature | | 17,000 | | Date Septemb | er 7,2006 |
| Name | | Yoshigi 1 | ^E ujita | | |
| Tritle and Company | Pies | ident of CEO | | | |
| (Assignee) | | PATHFINDER, INC. | | | |
| NOTE: Signate | rres of a | all the inventors or assignees of record of integration if more than one signature is required, s | of the entire interest of see below*. | or their representativ | e(s) are required. |
| *Total of | form | ns are submitted. quired by 37 CFR 131 and 1.33. The information is re | | enefit by the public which is | to file (and by the USPTO |
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PTO/SB/96 (09-04)

Approved for use through 07/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. STATEMENT UNDER 37 CFR 3.73(b) Masato MIYAKE, Tomohiro YOSHIKAWA, Elichiro UCHIMURA and Jun MIYAKE Applicant/Patent Owner: Application No /Patent No.: International Filing January 27, 2005 Entitled: COMPOSITION AND METHOD FOR ELEVATING GENE TRANSFER EFFICIENCY CYTOPATHFINDER, INC. corporation (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university government agency etc) states that it is: 1. \(\precent{\text{T}}\) the assignee of the entire right, title, and interest; or 2 an assignee of less than the entire right, title and interest. in the patent application/patent identified above by virtue of either: A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Frademark Office at Reel _____, Frame _____, or for which a copy thereof is attached OR B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below: 1 From: The document was recorded in the United States Patent and Trademark Office at Reel ____, Frame ____, or for which a copy thereof is attached. 2. From: To: The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached. 3. From: The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached Additional documents in the chain of title are listed on a supplemental sheet. Π Copies of assignments or other documents in the chain of title noted in B above are [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO See MPEP 302 08] The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

This collection of Information is required by 37 CFR 3.73(n). The information is required to obtain or statin, a breaft by the public which to file (and by the USFTO to process) any application. Condendating is governed by 83 U.S.C. 122 and 37 CFR 1.4. **(In the extending of the public which to file (and by the USFTO) time will very depending used the individual case. Any community of the public way of the public very station of the USFTO. Time will very depending used the individual case. Any community of the USFTO time will very depending used the Individual case. Any community of the USFTO time will very depending used the Individual case. Any community of the USFTO time will very depending used the Individual case. Any community of the USFTO time will very depending used the Individual case. Any community of the USFTO time will very depending used to the Individual case. Any community of the USFTO time will very depending used to the Individual case. Any community of the USFTO time will very depending used to the Individual case. Any community of the USFTO time will very depending used to the Individual case. Any community of the USFTO time will very depending used to the Individual case. Any community of the USFTO time will very depending used to the Individual case. Any community of the USFTO time will very depending used to the Individual case. Any community of the Indiv

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ASSIGNMENT

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This application is a national stage application filed under 35 U.S.C. 371 of International Application No. PCT/JP2005/001148, accorded an International Filing Date of January 27, 2005;

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NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and, in any and all divisions, reissues and continuations thereof, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

International Application No. PCT/JP2005/001148 U.S. Application No.:

| 1. | | Assignor: Masato MIYAKE |
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| Date: August 28, 20 | <u>аь</u> | Signature: 2 2.7 |
| Date August 28 200 (Type or Print) | 06 | (Signature of Witness) |
| | | (Signature of Witness) Masato Miyake |
| | | (Type or Print Name of Witness) |
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| 2. | | Assignor: Tomohiro YOSHIKAWA |
| Date: August 28, 20 | 06 | Signature: Www Month |
| Date August 28, 20 (Type or Print) | 006 | (Signature of Witness) |
| | | Masato Miyake |
| | | (Type or Print Name of Witness) |

| 3 | Assignor: Eiichiro UCHIMURA |
|--|---------------------------------|
| Date: August 28, 2006 Date August 28, 206 (Type or Print) | Signature: HHTX-BP |
| (Type of Film) | (Signature of Witness) |
| | Masato Miyake |
| | (Type or Print Name of Witness) |
| * | |
| 1. | Assignor: Jun MIYAKE |
| Date: 7-1h September 2006 | Signature: ZZV |
| Date 7th September, 2006 | - 28 CA |
| (Type or Print) | (Signature of Witness) |
| | Masato Miyake |
| | (Type or Print Name of Witness) |